

Appln No. 10/753419
Amdt. Dated: August 22, 2006
Response to Office Action of July 11, 2006

6

REMARKS/ARGUMENTS

The Applicant thanks the Examiner for the Office Action dated July 11, 2006.

Amendments

Claim 1 has been amended to specify that the first and second printheads are configured for printing different materials at correspondingly different temperatures. Claim 20 has been cancelled.

Claim Rejections – 35 USC 112

In response to the rejection under 35 USC 112, claim 5 has been cancelled.

Claim Rejections – 35 USC § 103

The Applicant contests the Examiner's assertion that claim 1 is obvious in view of Penn and Anderson.

It is true that Anderson discloses a temperature control system for an array of printheads. However, the whole point of Anderson's system is to maintain each printhead in the array at the *same* temperature, because each printhead is printing the same material (ink). By maintaining each printhead at the same temperature, Anderson is able to maintain a constant drop size across the array, thereby improving print quality.

By contrast, the present invention seeks to maintain the first and second printheads at *different* temperatures. The first and second printheads in the Applicant's system are configured for printing different materials and are maintained and correspondingly different temperatures. This type of system is neither taught nor suggested by Anderson.

Moreover, it is submitted that the Examiner's reference to column 3 of Penn would not, in combination with Anderson, have led the skilled person to arrive at the present invention. Column 3 of Penn merely refers to prior art concerned with deposition of photopolymers. It does not describe a multiple printhead object creation system in accordance with the present invention. For these reasons, it is therefore submitted that the present invention, as defined by claim 1, is not obvious in view of the cited references.

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7

It is respectfully submitted that all of the Examiner's objections have been successfully traversed. Accordingly, it is submitted that the application is now in condition for allowance. Reconsideration and allowance of the application is courteously solicited.

Very respectfully,

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